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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/063,434

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Yin-Chun Huang

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EXAMINER

GIBBS, HEATHER D

ART UNIT

PAPER NUMBER

2625

MAIL DATE

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PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/063,434	<b>Applicant(s)</b> HUANG ET AL.	
	<b>Examiner</b> Heather D. Gibbs	<b>Art Unit</b> 2625	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 19 March 2007.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1,4-7 and 11-24 is/are allowed.
- 6) ☒ Claim(s) 2,3 and 8-10 is/are rejected.
- 7) ☒ Claim(s) 2,3,9 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some    \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Response to Amendment***

1. The amendment filed on March 19, 2207 has been entered and made of record. Claims 1-24 are currently pending.

### ***Response to Arguments***

Applicant's arguments filed have been fully considered but they are not persuasive.

Applicant argues Muramatsu (US 5,452,108) does not teach "moving a paper sheet a first distance at least partially onto a scanning window; scanning a portion sheet with a scanning head; moving said scanning head a second distance in a first direction, wherein said second distance is smaller than said first distance; and repeating said scanning and said moving said second distance until said scanning head scans a plurality of the portions of said paper sheet on said scanning window". Upon further review, the examiner finds this limitation to be taught as outlined for Claim 8: moving a paper sheet (original) a first direction towards a scanning window 18 (Col 3 Lines 29-35; The first distance is the distance a document travels from the original feed tray to the platen glass); scanning a portion of said paper sheet with a scanning head 19 (Col 2 Lines 58-63); moving said scanning head 19 to a second distance in a first direction (Fig 1; Col 3 Lines 40-65; the second distance is each incremental distance the scanner is moved by the motor to scan a line of the document.), wherein said second distance is smaller than said first distance (the second distance would be smaller since it is incremental) and repeating said scanning and said moving said scanning head 19 to

scan a plurality of portions of said paper sheet over said scanning window 18 (Col 2 Lines 58-63 and Col 3 Lines 40-65; Fig 10; the original is halted and the scanner 19 initiates scanning for reading left to right, when completed, the original travels left by the transport belt 506).

***Claim Rejections - 35 USC § 112***

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. In the present instance, claims 2-3,9 recite the broad recitation moving said scanning head a second distance in the first direction, wherein said second distance is smaller than said first distance, and

Claim 2 also recites further comprising repeating said scanning, said moving said scanning head, and said repeating, wherein movement of said scanning head alternates between said first direction and a second direction, until said scanning head scans a plurality of portion of said paper sheet and

Claim 3, also recites further comprising repeating said scanning, said moving said scanning head, and said repeating, wherein said moving said scanning head comprises moving said scanning head in a second direction opposite to said first direction, and

Claim 9 also recites repeating said moving the paper sheet, said scanning, said moving said second distance, and said repeating, wherein said scanning head alternates between moving in said first direction and in a second direction, and wherein

Art Unit: 2625

said second direction is opposite said first direction, which are narrower statements of the range/limitation.

Claims 2,3,9 depend from an independent claim which states "repeating said scanning" however the claim further recites "moving said scanning head" in a direction that is not repeating. In order for the claims to be proper, it must still repeat the limitations as cited in independent claims. Currently, the dependent claims are in contradiction to the parent claims.

***Claim Rejections - 35 USC § 102***

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 8,10 are rejected under 35 U.S.C. 102(b) as being anticipated by Muramatsu (US 5,452,108).

Regarding claim 8, Muramatsu teaches a method comprising: moving a paper sheet (original) a first direction towards a scanning window 18 (Col 3 Lines 29-35; The first distance is the distance a document travels from the original feed tray to the platen glass); scanning a portion of said paper sheet with a scanning head 19 (Col 2 Lines 58-63); moving said scanning head 19 to a second distance in a first direction (Fig 1; the second distance is each incremental distance the scanner is moved by the motor to scan a line of the document.), wherein said second distance is smaller than said first

Art Unit: 2625

distance (the second distance would be smaller since it is incremental) and repeating said scanning and said moving said scanning head 19 to scan a plurality of portions of said paper sheet over said scanning window 18 (Col 2 Lines 58-63 and Col 3 Lines 40-65; Fig 10; the original is halted and the scanner 19 initiates scanning for reading left to right, when completed, the original travels left by the transport belt 506).

For claim 10, Muramatsu discloses wherein the scanning head 19 moves in a scanning direction to scan said paper sheet (Fig 10).

### ***Specification***

6. Claims 2-3,9 are objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form. Claims 2-3, 9 do not further limit the parent claim in that the repeating step no longer repeats, instead it moves in an alternate direction (alternating, opposite), hence the Examiner finds these claims do not further limit the subject matter as disclosed in its parent claim.

### ***Allowable Subject Matter***

7. Claims 1, 4-7,11-24 are allowed.

8. The following is a statement of reasons for the indication of allowable subject matter: Examiner found neither prior art cited in its entirety, nor based on the prior art, found any motivation to combine any of the said prior art which teaches a method comprising: moving a paper sheet a first distance; scanning a portion of said paper sheet with a scanning head; moving said scanning head a second distance in a first

Art Unit: 2625

direction, wherein said second distance is smaller than said first distance; scanning another portion of said paper sheet; and repeating said moving the paper sheet, said scanning, and said moving said scanning head to scan a plurality of portion of said paper sheet, respectively, as set forth in Claims 1, 6, 11, 16, 20, including all of the features recited therein.

### ***Conclusion***

9. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Heather D. Gibbs whose telephone number is 571-272-7404. The examiner can normally be reached on M-Thu 8AM-7PM.

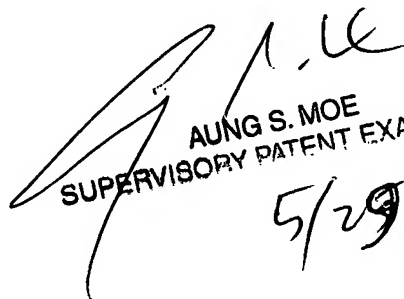
Art Unit: 2625

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Aung S. Moe can be reached on 571-272-7314. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Heather D Gibbs  
Examiner  
Art Unit 2625

hdg

  
AUNG S. MOE  
SUPERVISORY PATENT EXAMINER  
5/29/07